



Crops & Weather

National Agricultural Statistics Service
Minnesota Field Office

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In Cooperation with the Minnesota Department of Agriculture, National Weather Service – Chanhassen MN,
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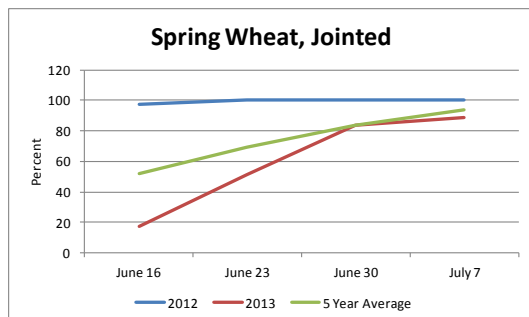
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Warm and dry weather promoted crop development in Minnesota according to the USDA, National Agricultural Statistics Service. There were 6.1 days suitable for field work, the highest of any week this crop year. Dry weather diminished both topsoil and subsoil moisture supplies to 7 percent surplus, a reduction from last week's 25 and 21 percent, respectively. Statewide temperatures were 2.9 degrees above normal and precipitation was 0.67 inches below normal for last week.

The average corn stalk height was 30 inches tall, behind the 62 inches last year, and the five year average of 46 inches. Corn condition increased to 63 percent good or excellent. Ninety-six percent of the soybeans have emerged. Five percent of the soybeans are blooming, which is 16 percentage points behind the normal pace. The average soybean plant height was 8 inches tall, which is 4 inches shorter than normal. Soybean conditions also improved to 63 percent good or excellent. Eighty-nine percent of spring wheat had reached the jointed or beyond stage, with 65 percent headed or beyond. Spring wheat condition improved to 67 percent good or excellent. Heading of barley and oats both advanced over 40 percentage points last week.

Range and pasture conditions rated 1 percent very poor, 3 percent poor, 19 percent fair, 60 percent good and 17 percent excellent. Alfalfa conditions improved slightly to 65 percent good or excellent.



Soil Moisture Levels as of July 7, 2013

	Very Short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil Moisture	1	7	85	7
Subsoil Moisture	0	7	86	7

Crop Condition as of July 7, 2013

	Very Poor	Poor	Fair	Good	Exc.
Pasture	1	3	19	60	17
Oats	0	5	21	61	13
Barley	2	8	38	45	7
Spring Wheat	2	5	26	56	11
Sugarbeets	0	6	23	58	13
Sunflowers	0	3	48	42	7
Corn	2	5	30	54	9
Soybeans	1	5	31	56	7
Potatoes	1	2	14	50	33
Canola	0	3	72	23	2
Dry Beans	0	7	30	49	14
Green Peas	0	7	41	49	3
Alfalfa	2	4	29	49	16

Crop Progress as of July 7, 2013

	This Week	Last Week	Last Year	5 Yr Avg
Days Suitable for Fieldwork	6.1	4.1	6.0	5.7
	Percent	Percent	Percent	Percent
Corn, height in inches	30	17	62	46
Soybeans emerged	96	93	100	100
Soybeans blooming	5	NA	53	21
Soybean height, inches	8	5	16	12
Oats jointed	88	74	100	96
Oats headed	61	20	100	81
Spring Wheat jointed	89	84	100	94
Spring Wheat headed	65	9	100	69
Barley jointed	91	79	100	92
Barley headed	62	13	100	68
Sweet Corn planted	88	79	99	99
Canola planted	94	87	100	100
Dry Beans emerged	96	92	100	100
Alfalfa, first cutting	96	81	100	96

NA=Not Available

Precipitation and Temperature Summary for 6/20/2013 through 7/7/2013

	Temperature				Precipitation				G D D	
	High	Low	Week Average	Depart from Norm	Week Total	Depart From Normal			Since 05/16	Depart From Norm
						Past Week	Four Weeks	Since 4/1		
NORTHWEST DISTRICT										
Crookston	87	55	73.8	5.7	0.14	-0.6	-0.99	-1.13	848	90
Itasca	87	51	70.4	4.7	0.26	-0.74	-3.01m	-2.76m	429m	-219m
Moorhead	92	59	76.2	6.3	0.17	-0.58	3.38	8.36	930	103
Pembina, ND	89	55	73.1	6.8	0.06	-0.75	-1.52	0.46	766	81
Warroad	85	53	70.2	4.1	0.15	-0.81	-2.58m	-4.27m	612m	-46m
NORTH CENTRAL DISTRICT										
Grand Rapids	87	50	70.2	3.1	0.88	-0.16	-0.93	-1.2	698	-4
Intl. Falls	85	48	68.5	4.2	1.32	0.4	-1.03	1.26	673	64
NORTH EAST DISTRICT										
Duluth	88	49	67.6	3.2	0.34	-0.6	-0.18	2.57	613	39
Grand Marais	71	43	55.1	-3.8	1.61	0.82	1	5.42	308	-59
Hibbing	86	44	67.5	4.3	0.66	-0.4	-0.03	-0.55	667	119
WEST CENTRAL DISTRICT										
Alexandria	89	61	75	5.5	0.06	-0.78	-1.42	-1.23	812	20
Breckenridge	90	58	74.3	4.7	0.11	-0.79	-1.31m	-1.20m	751m	-65m
Browns Valley	90	54	72.7	2.5	0.02	-0.84	-.09m	1.36m	790m	-33m
Canby	90	56	74.2	2.4	0.12	-0.76	1.61	4.71m	834	-56
Montevideo	91	56	74	3.2	0.75	-0.17	3.06	4.93	831	-34
Morris	90	59	73.6	3.9	0.06	-0.88	4.27	3.25	807	-17
Wheaton	90	60	73.8	3.2	0.03	-0.81	0.11	-0.88	833	-11
CENTRAL DISTRICT										
Becker	89	53	73	2.8	0.06	-0.99	-1.08	-2.41	836	-8
Collegeville	90	58	74.6	3.2	0	-0.92	0.03	2.94	827	-58
Hutchinson	90	56	75.5	4.1	0	-0.88	1.33m	3.24m	845m	-40m
Melrose	88	57	73.2	4.1	0.04	-0.84	1.76	2.93	790	-1
Olivia	87	57	72	1.2	0.1	-0.83	4.29	3.5	793	-79
St. Cloud	92	53	73	3.5	0.06	-0.77	0.12	3.18	790	-9
Wadena	M	M	M	M	M	M	-.38m	-.22m	589m	-110m
Willmar	89	57	73.3	2.1	0.44	-0.55	0.73	-.09m	803	-81
EAST CENTRAL DISTRICT										
Aitkin	84	50	68.6	1.9	-0.04	1	.43m	3.01m	612m	-69m
Forest Lake	89	53	71.8	0.8	0	1.04	1.59	3.49	833	-36
MSP Airport	92	61	77.6	4.7	0.03	-0.91	0.47	5.45	961	29
Mora	85	51	70.6	2.3	0	-0.96	1.39	2.11m	745	-13
St. Paul - UofM	fM 88	56	73.4	2.4	0	1.04	2.45	7.54	826	-43
SOUTH WEST DISTRICT										
Lamberton	91	57	74.8	3.4	0	-0.91	0.41	1.42	895	-10
Marshall	89	59	75.2	3.4	0	-0.87	0.46	.67m	897	-5
Pipestone	87	50	71.8	1.3	0	-0.86	0.56	.53m	812m	-34m
Redwood Falls	91	58	75.7	3.7	0.05	-0.84	0.51	-1.06	905	-17
Sioux Falls	89	51	73.3	1.3	0.13	-0.65	-1.65	3.38	896	8
SOUTH CENTRAL DISTRICT										
Worthington	91	55	73.4	2.4	0	-0.95	-1.52	1.65m	866m	-7m
North Mankato	87	60	72.6	1.1	0	1.08	-1.83m	-.45m	869m	-30m
Owatonna	92	53	73.3	1.9	0	1.06	-0.82	4.61	860	-28
Waseca	92	57	74.4	2.8	0	1.03	1.31	6.36	866	-52
Winnebago	92	56	74.6	2.8	0	1	3.38	6.46	902	-13
Cannon Falls	90	51	71	0.3	0	-0.97	.08m	6.31m	781m	-71m
SOUTH EAST DISTRICT										
La Crosse	91	55	74.6	1.6	0.14	-0.86	0.47	8.17	956	5
Preston	88	50	70	-0.2	0	1.07	3.19	12.83m	827	-5
Red Wing	93	60	74.4	2.9	0	-0.88	0.26	4.05	893	8
Rochester	91	57	73.9	3	-0.03	1.04	1.73	13.32	863	-15
Rosemount	89	56	73	2.1	0	1.04	-0.52	2.11m	827	-38
Winona Dam	88	55	72.7	1.7	0.06	-0.9	1.58	11.25	864	-1

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

Data in this summary are courtesy of National Weather Service Offices and Cooperators, and the University of Minnesota Agricultural Experiment Station. This summary is prepared by the Minnesota Extension Service Agricultural Meteorologist and the Department of Natural Resources State Climatology Office.

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